

Serial Number:

01/665493

590

CRF Processing Date: 10/18/01

Edited by: MH

Verified by: (STI)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. **ENTERED**
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING

DATE: 10/18/2001

PATENT APPLICATION: US/09/665,493

TIME: 11:33:22

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10182001\I665493.raw

ENTERED

4 <110> APPLICANT: Manning, William C., Jr.
5 Dwarki, Varavani J.
6 Rendahl, Katherine
7 Zhou, Shang-Zhen
8 McGee, Laura H.
9 Lau, Dana
10 Flannery, John G.
11 Miller, Sheldon
12 Wang, Fei
13 Di Polo, Adriana
16 <120> TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
17 FOR TREATING OR PREVENTING DISEASES OF THE EYE
20 <130> FILE REFERENCE: PP01588.005 (20263.40)
C--> 22 <140> CURRENT APPLICATION NUMBER: US/09/665,493
C--> 23 <141> CURRENT FILING DATE: 2001-09-17
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204	tggatgttgg	aattcctgat	gcggtatttt	ctccttacgc	atctgtgcgg	tatttcacac	3240
205	cgcataatgg	gcactctcag	tacaatctgc	tctgatgccg	catagttaag	ccagccccga	3300
206	cacccgccaa	cacccgctga	cgcgccttga	cgggcttgtc	tgctcccggc	atccgcttac	3360
207	agacaagctg	tgaccgtctc	cgggagctgc	atgtgtcaga	ggttttcacc	gtcatcaccg	3420
208	aaacgcgcga	gacgaaaggg	cctcgtgata	cgcctatttt	tatagggttaa	tgtcatgata	3480

RAW SEQUENCE LISTING

DATE: 10/18/2001

PATENT APPLICATION: US/09/665,493

TIME: 11:33:22

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10182001\I665493.raw

209	ataatggttt	cttagacgtc	aggtagcact	tttcggggaa	atgtgcgcgg	aacccctatt	3540
210	tgtttatatt	tctaaataca	ttcaaataatg	tatccgctca	tgagacaata	accctgataa	3600
211	atgcttcaat	aatattgaaa	aaggaagagt	atgagtattc	aacatttccg	tgctgcocctt	3660
212	attccctttt	ttgcggcatt	ttgccttcc	gtttttgctc	acccagaaac	gctgggtgaaa	3720
213	gtaaaagatg	ctgaagatca	gttggttgca	cgagtgggtt	acatcgaact	ggatctcaac	3780
214	agcggtaaga	tccttgagag	ttttcgcccc	gaagaacgtt	ttccaatgat	gagcactttt	3840
215	aaagtctctg	tatgtggcgc	ggtattatcc	cgtattgacg	ccgggcaaga	gcaactcggg	3900
216	cgccgcatac	actattctca	gaatgacttg	gttgagtact	caccagtcac	agaaaagcat	3960
217	cttacggatg	gcatgacagt	aagagaatta	tgcatgtctg	ccataaccat	gagtataaac	4020
218	actgcggcca	acttacttct	gacaacgatc	ggaggaccga	aggagctaac	cgcttttttg	4080
219	cacaacatgg	gggatcatgt	aactcgcctt	gatcgttggg	aaccggagct	gaatgaagcc	4140
220	ataccaaacg	acgagcgtga	caccacgatg	cctgtagcaa	tggaacaac	gttgcgcaaa	4200
221	ctattaactg	gcgaactact	tactctagct	tcccggcaac	aattaataga	ctggatggag	4260
222	gcggataaag	ttgcaggacc	acttctgcgc	tcggcccttc	cggtctggctg	gtttattgct	4320
223	gataaatctg	gagcgggtga	gcgtgggtct	cgcggtatca	ttgcagcact	ggggccagat	4380
224	ggtaagccct	cccgtatcgt	agttatctac	acgacgggga	gtcaggcaac	tatggatgaa	4440
225	cgaaatagac	agatcgtctg	gataggtgcc	tcactgatta	agcattggta	actgtcagac	4500
226	caagtttact	catatatact	ttagattgat	ttaaaacttc	atttttaatt	taaaaggatc	4560
227	taggtgaaga	tccttttttg	taatctcatg	accaaatacc	cttaacgtga	gttttcgttc	4620
228	cactgagcgt	cagaccccg	agaaaagatc	aaaggatctt	cttgagatcc	ttttttctg	4680
229	cgcgtaatct	gctgcttgca	aacaaaaaaa	ccaccgctac	cagcgtggt	ttgtttgccg	4740
230	gatcaagagc	taccaactct	ttttccgaag	gtaactggct	tcagcagagc	gcagatacca	4800
231	aatactgtcc	ttctagtgtg	gccgtagtta	ggccaccact	tcaagaactc	tgtagcaccg	4860
232	cctacatacc	tcgctctgct	aatcctgtta	ccagtggctg	ctgccagtgg	cgataagtcg	4920
233	tgtcttaccg	ggttggaactc	aagacgatag	ttaccggata	aggcgcagcg	gtcgggctga	4980
234	acgggggggt	cgtgcacaca	gcccagcttg	gagcgaacga	cctacaccga	actgagatac	5040
235	ctacagcgtg	agctatgaga	aagcgccacg	cttcccgaag	ggagaaaagg	ggacaggtat	5100
236	ccggttaagc	gcagggtcgg	aacaggagag	cgcacgagg	agcttccagg	gggaaacgcc	5160
237	tggtatcttt	atagtcctgt	cgggtttcgc	cacctctgac	ttgagcgtcg	atttttgtga	5220
238	tgctcgtcag	gggggcggag	cctatggaaa	aacgccagca	acgcggcctt	tttacggttc	5280
239	ctggcccttt	gctggccctt	tgctcacatg	ttcttctcctg	cgttatcccc	tgattctgtg	5340
240	gataaccgta	ttaccgcctt	tgagtgcagt	gataccgctc	gccgcagccg	aacgaccgag	5400
241	cgacgcgagt	cagtgcgcga	ggaagcgga	gagcgcccaa	tacgcaaacc	gcctctcccc	5460
242	gcgcgttgcc	cgattcatta	atgcagctgg	cgcgctcgtc	cgctcactga	ggccgcccgg	5520
243	gcaaagcccg	ggcgtcgggc	gacctttggt	cgctcggcct	cagtgcgcga	gcgagcgcgc	5580
244	agagagggag	tgcccaactc	catcactgat				5610
245	<210> SEQ ID NO: 3						
246	<211> LENGTH: 7096						
247	<212> TYPE: DNA						
248	<213> ORGANISM: Homo sapien						
250	<400> SEQUENCE: 3						
251	aaaacttgcg	gcgcgggaat	ttcgactcta	ggccattgca	tacgttgat	ctatatcata	60
252	atatgtacat	ttatattggc	tcattgtcaa	tatgaccgcc	atgttgacat	tgattattga	120
253	ctagttatta	atagtaataca	attacggggt	cattagttca	tagcccatat	atggagttcc	180
254	gcgttacata	acttacggta	aatggccgcg	ctggctgacc	gcccacgac	ccccgcccat	240
255	tgacgtcaat	aatgacgtat	gttcccatag	taacgccaat	agggaacttc	cattgacgtc	300
256	aatgggtgga	gtatttacgg	taaaactgcc	acttggcagt	acatcaagtg	tatcatatgc	360
257	caagtccgcc	ccctattgac	gtcaatgacg	gtaaatggcc	cgcttgccat	tatgccaggt	420
258	acatgacott	acgggacttt	cctacttggc	agtacatcta	cgtattagtc	atcgctatta	480

VERIFICATION SUMMARY

DATE: 10/18/2001

PATENT APPLICATION: US/09/665,493

TIME: 11:33:23

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10182001\I665493.raw

L:22 M:270 C: Current Application Number differs, Replaced Current Application Number
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/665,493

DATE: 10/03/2001

TIME: 15:36:09

Input Set : A:\seq lis.txt

Output Set: N:\CRF3\10032001\I665493.raw

4 <110> APPLICANT: Manning, William C., Jr.
 5 Dwarki, Varavani J.
 6 Rendahl, Katherine
 7 Zhou, Shang-Zhen
 8 McGee, Laura H.
 9 Lau, Dana
 10 Flannery, John G.
 11 Miller, Sheldon
 12 Wang, Fei
 13 Di Polo, Adriana
 16 <120> TITLE OF INVENTION: USE OF RECOMBINANT GENE DELIVERY VECTORS
 17 FOR TREATING OR PREVENTING DISEASES OF THE EYE
 20 <130> FILE REFERENCE: PP01588.005 (20263.40)
 C--> 22 <140> CURRENT APPLICATION NUMBER: US/09/665,493
 C--> 23 <141> CURRENT FILING DATE: 2001-09-17
 25 <160> NUMBER OF SEQ ID NOS: 12
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

615 <210> SEQ ID NO: 12
 616 <211> LENGTH: 42
 617 <212> TYPE: DNA
 618 <213> ORGANISM: Artificial Sequence
 620 <220> FEATURE:
 621 <223> OTHER INFORMATION: PCR primer
 623 <400> SEQUENCE: 12
 624 cgcgcgctcg agaccatgag gaatattatc caaagcgaaa ct

42

E--> 627 1

Edit End .R file Non ASCII text

VERIFICATION SUMMARY

DATE: 10/03/2001

PATENT APPLICATION: US/09/665,493

TIME: 15:36:10

Input Set : A:\seq lis.txt

Output Set: N:\CRF3\10032001\I665493.raw

L:22 M:270 C: Current Application Number differs, Replaced Current Application Number

L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:627 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:42 SEQ:12

STATISTICS SUMMARY

PATENT APPLICATION: US/09/665,493

DATE: 10/03/2001

TIME: 15:36:10

Input Set : A:\seq lis.txt

Output Set: N:\CRF3\10032001\I665493.raw

Application Serial Number: US/09/665,493

Alpha or Numeric: Numeric

Application Class:

Application File Date: 09-17-2001

Art Unit: OIPE

Software Application: FastSeq

Total Number of Sequences: 12

Total Nucleotides: 26664

Total Amino Acids: 421

Number of Errors: 1

Number of Warnings: 0

Number of Corrections: 2

MESSAGE SUMMARY

254 E: 1 (No. of Bases conflict)

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)